

AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions, and listing of claims in the application:

LISTING OF CLAIMS:

Claim 1 (Currently amended) An image scanning apparatus having a processor, comprising:

a paper tray for placing a document having a first side and an opposing second side;

a ~~cross-shaped~~ looped document passage extending from said paper tray to a single document exit and having an overlap portion where said first side of said document is passed therethrough and subsequently said second side of said document is passed therethrough before passing to said single document exit;

~~a drive module for driving said document to pass through said cross-shaped document passage in response to a trigger; and~~

a scan module for scanning one or both sides of said document passing through said ~~cross-shaped~~ overlap portion of said looped document passage; and,

a drive module for driving said document to pass from said paper tray through said looped document passage to said single document exit, said drive module including (a) a roller assembly spaced along said looped document passage and located in said paper tray for conveying said document therethrough,

(b) a drive motor drivingly coupled to said roller assembly, (c) a pair of deflectors respectively disposed on opposing sides of said overlap portion of said looped document passage for controlling passage of said document through said looped document passage to said single document exit, and (d) a sensor for signaling the processor to control said pair of deflectors in response to a position of said document.

Claims 2 - 3 (Cancelled).

Claim 4 (Currently amended) The image scanning apparatus according to claim 1, where said scan module comprises: a light source for providing a light to said document passing through said ~~scan module~~ overlap portion of said looped document passage to generate a first signal; an optical scanning device, including a lens and at least a reflector, for reflecting said first signal and focusing said first signal reflected to output a second signal; and a charge-coupled device (CCD) for receiving said second signal to generate an electric signal.

Claim 5 (Currently amended) The image scanning apparatus according to claim ~~[[3]]~~ 1, where said roller assembly comprises: at least an active roller for producing a friction to convey said document; at least a passive roller for cooperating with said active roller to convey said document; an adjustment plate

for aligning a leading edge of said document; a pick-up arm for fixing said active roller and said passive roller; and a cam set for coordinating a document feeding operation between said pick-up arm, said active roller and said passive roller.

Claim 6 (Currently amended) The image apparatus of claim 1, wherein said document is scanned as a simplex document or a duplex document responsive to selection of ~~selected to scan either in~~ a simplex scanning mode or ~~in~~ a duplex scanning mode.

Claim 7 (Currently amended) The image apparatus of claim 4 further comprising: a platform corresponding to said overlap portion of said ~~cross-shaped~~ looped document passage, said document is illuminated by said light to generate said first signal when said document passes through said platform.

Claim 8 (Currently amended) The image apparatus of claim 7 further comprising: a pressing member corresponding to said overlap portion of said ~~cross-shaped~~ looped document passage, said document is pressed evenly by said pressing member when said document passes through said platform.

Claim 9 (Original) The image apparatus of claim 8, wherein said pressing member further comprises a spring.

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Claim 10 (Original) The image apparatus of claim 8, wherein said pressing member further comprises a flat plate.